

BookletChart™



Franklin D. Roosevelt Lake – Northern Part

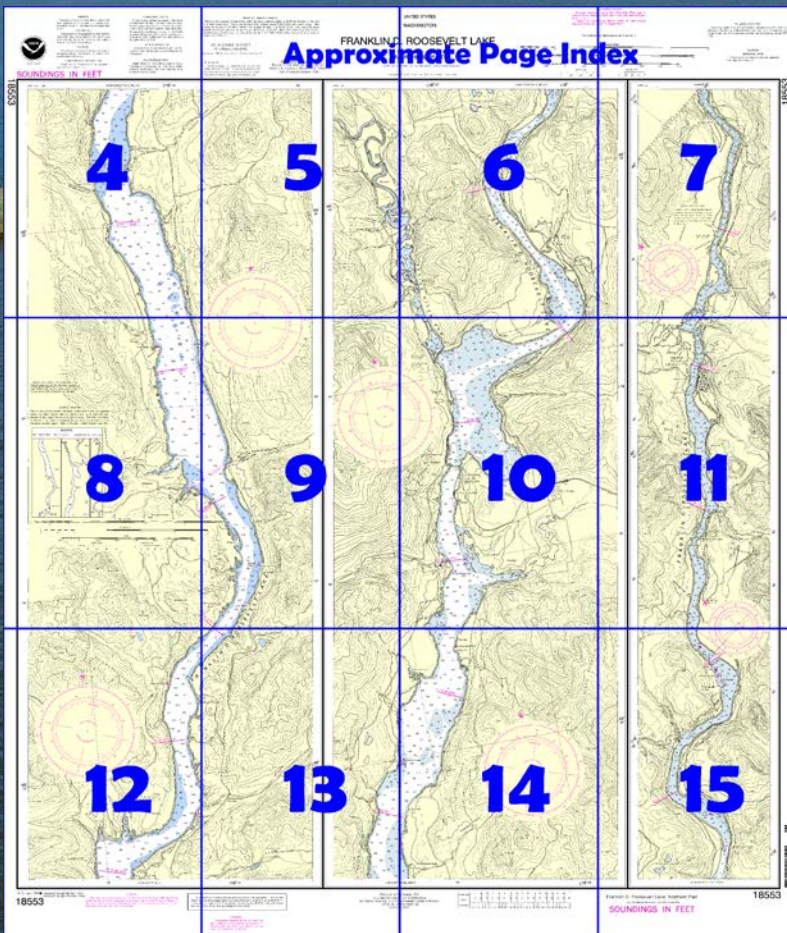
NOAA Chart 18553

A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



***Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA***

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=18553>.



(Selected Excerpts from Coast Pilot)

Franklin D. Roosevelt Lake, WA, is a National Recreation Area on the upper Columbia River impounded by the **Grand Coulee Dam** (47°57.5'N., 118°59.0'W.). Information about facilities and services is available at the recreation area headquarters in the town of Coulee Dam, the visitors' center at Fort Spokane, and the ranger station at Kettle Falls.

A **restricted area** has been established in the discharge channel of the Grand

Coulee Dam, and extending about 2.5 miles downstream from the dam. (See **162.230**, chapter 2, for limits and regulations.)

**U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies**

RCC Seattle

Commander
13th CG District
Seattle, WA

(206) 220-7001

Table of Selected Chart Notes

GRADIENT DATUM

Above Deep Creek soundings are based on a gradient datum, varying from normal lake level at Deep Creek to a level 1292.6 feet above mean sea level at the International Boundary.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, *United States Coast Pilot*.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

CAUTION

SEASONAL AIDS

Coast Guard maintained aids are seasonal from May 15 to Nov. 1.

HEIGHTS

Contour elevations in feet refer to mean sea level. Vertical clearances refer to maximum pool elevation which is 1290 feet above mean sea level.

ROOSEVELT LAKE AIDS TO NAVIGATION

Aids to navigation on the lake mark hazards to navigation at normal lake levels. Lake levels less than 1288.6 may expose additional hazards to navigation that are not marked or identified.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.357" southward and 3.955" westward to agree with this chart.

Mercator Projection

Scale 1:50,000 at Lat. 48°34' North American Datum of 1983 (World Geodetic System 1984)

LAKE LEVEL

The lake is subject to drawdowns which vary considerably from year to year. The maximum contemplated drawdown during seasons of extremely low natural flow conditions is 82 feet below normal lake level.

SOUNDINGS IN FEET

AT NORMAL LAKE LEVEL


which is 1288.6 feet above mean sea level

For Symbols and Abbreviations see Chart No. 1

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

COLUMBIA RIVER

Mileage distances along the Columbia River are in Statute Miles eastward from the mouth and are indicated thus:  Tables for converting statute miles to International Nautical miles are given in Coast Pilot 7.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).



HEIGHTS

Contour elevations in feet refer to mean sea level. Vertical clearances refer to maximum pool elevation which is 1290 feet above mean sea level.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

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SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.357" southward and 3.955" westward to agree with this chart.

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Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly and critical corrections. Charts are printed when ordered using Print-Editions are available 5-8 weeks before their release as traditional NOAA about Print-on-Demand charts or contact NOAA at 1-800-584-4688 help@NauticalCharts.gov, or OceanGrafix at 1-877-56CHART, help@OceanGrafix.com.

SOUNDINGS IN FEET AT NORMAL LAKE LEVEL

which is 1288.6 feet above mean sea level

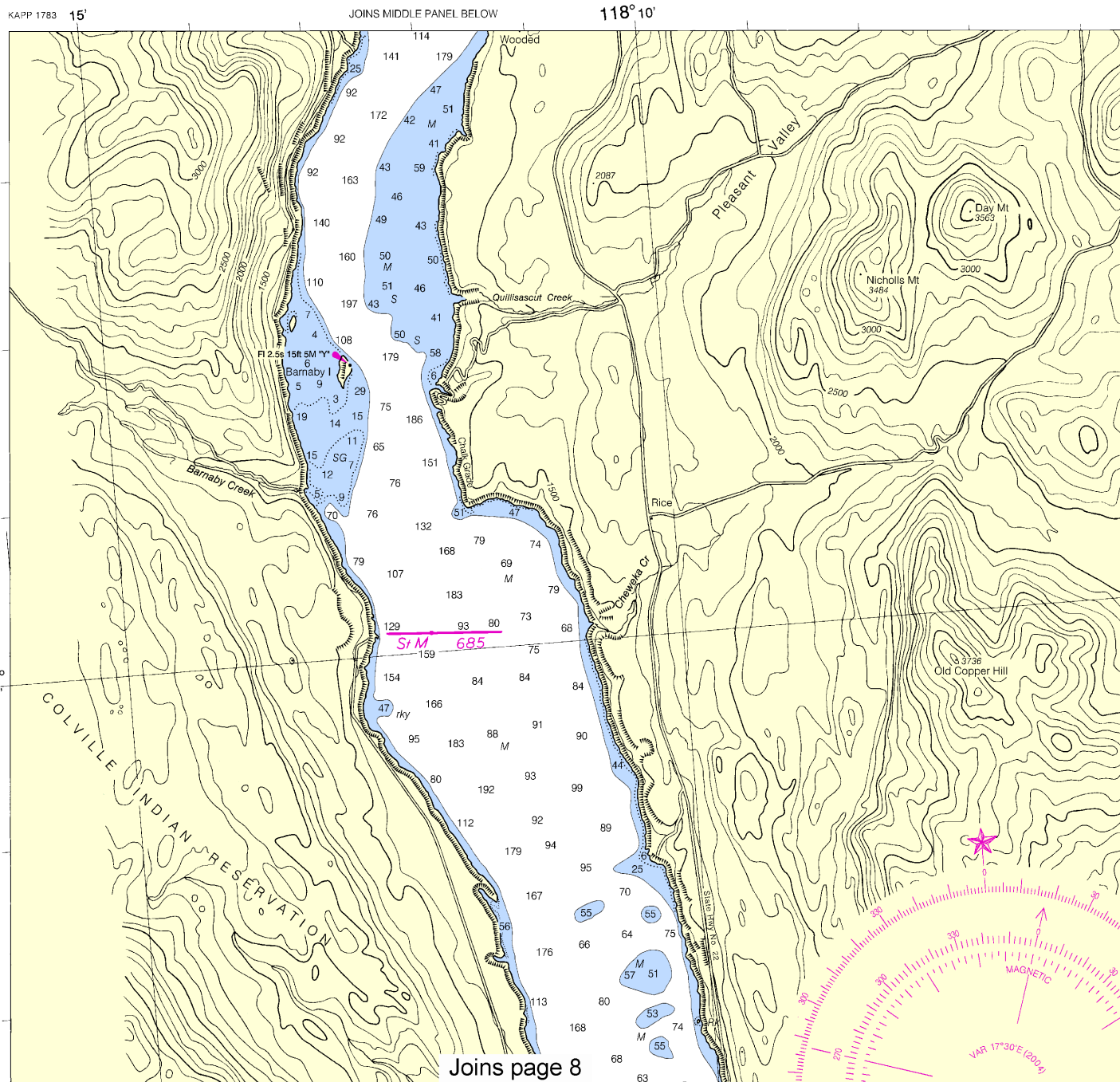
LAKE LEVEL

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Scale
North Arrow
(Wd)

SOUNDINGS IN FEET

18553



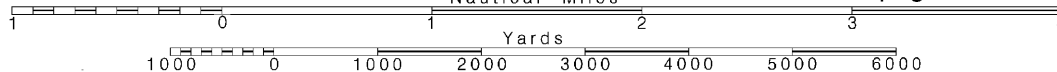
4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000
Nautical Miles

See Note on page 5.



by NOAA for Notices to Mariners
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 83, <http://NauticalCharts.gov>,
 r, <http://OceanGrafix.com>, or

UNITED STATES
 WASHINGTON

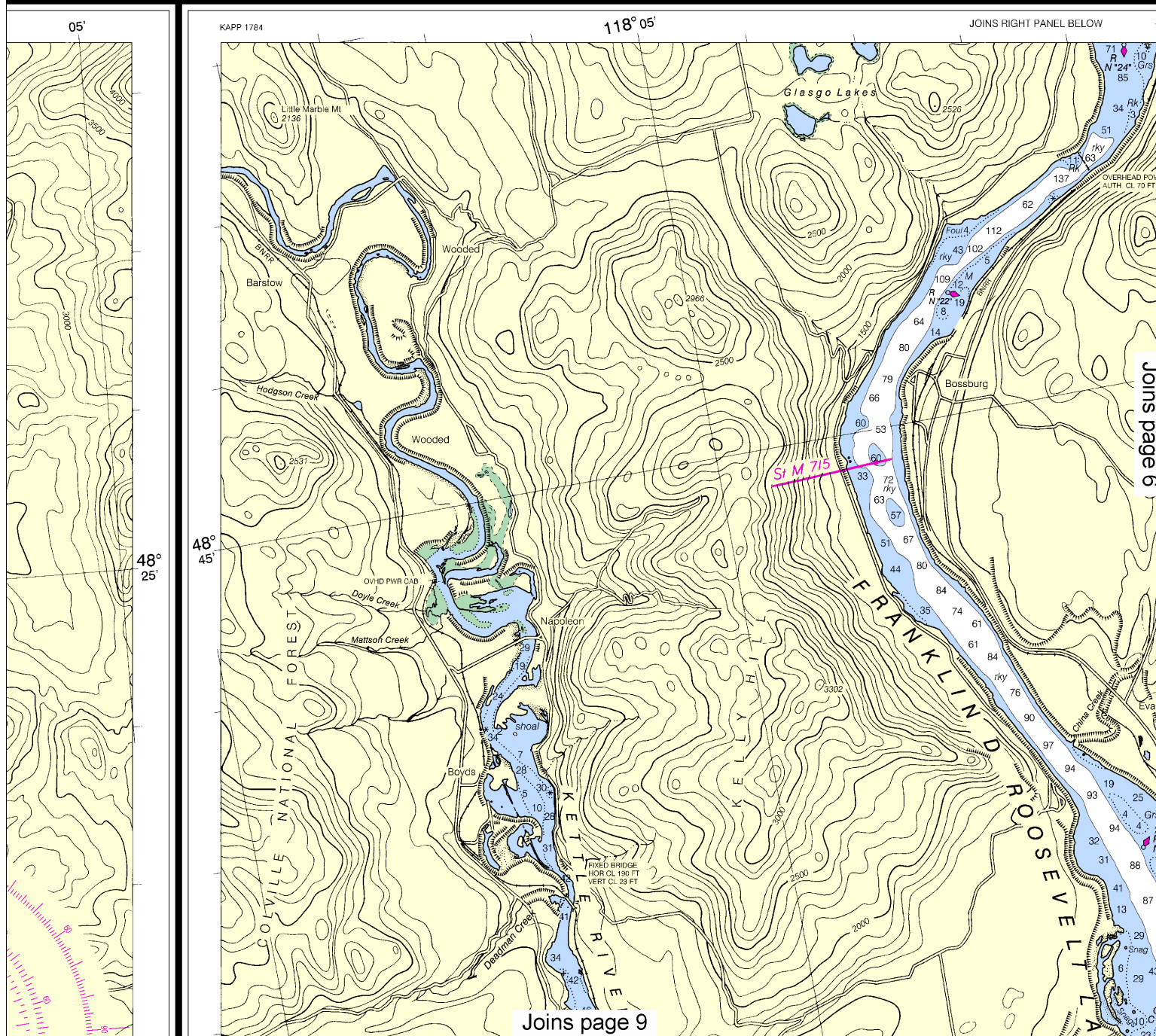
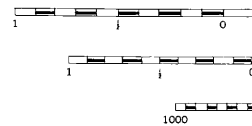
FRANKLIN D. ROOSEVELT LAKE

NORTHERN PART

Mercator Projection
 1:50,000 at Lat. 48°34'
 American Datum of 1983
 World Geodetic System 1984)

Additional information can be obtained at nauticalcharts.noaa.gov.

Formerly C&GS 6169, 1st Ed., Apr. 1953 D- 1953-827 KAPP 1784



This BookletChart was reduced to 75% of the original chart scale.
 The new scale is 1:66667. Barscales have also been reduced and
 are accurate when used to measure distances in this BookletChart.

PRINT-ON-DEMAND CHARTS

OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners. Charts are printed when ordered using Print-on-Demand technology. New charts are printed before their release as traditional NOAA charts. Ask your chart agent for more information or contact NOAA at 1-800-584-4683, <http://NauticalCharts.gov>, or OceanGrafix at 1-877-56CHART, <http://OceanGrafix.com>, or

UNITED STATES

WASHINGTON

FRANKLIN D. ROOSEVELT LAKE

NORTHERN PART

IN FEET

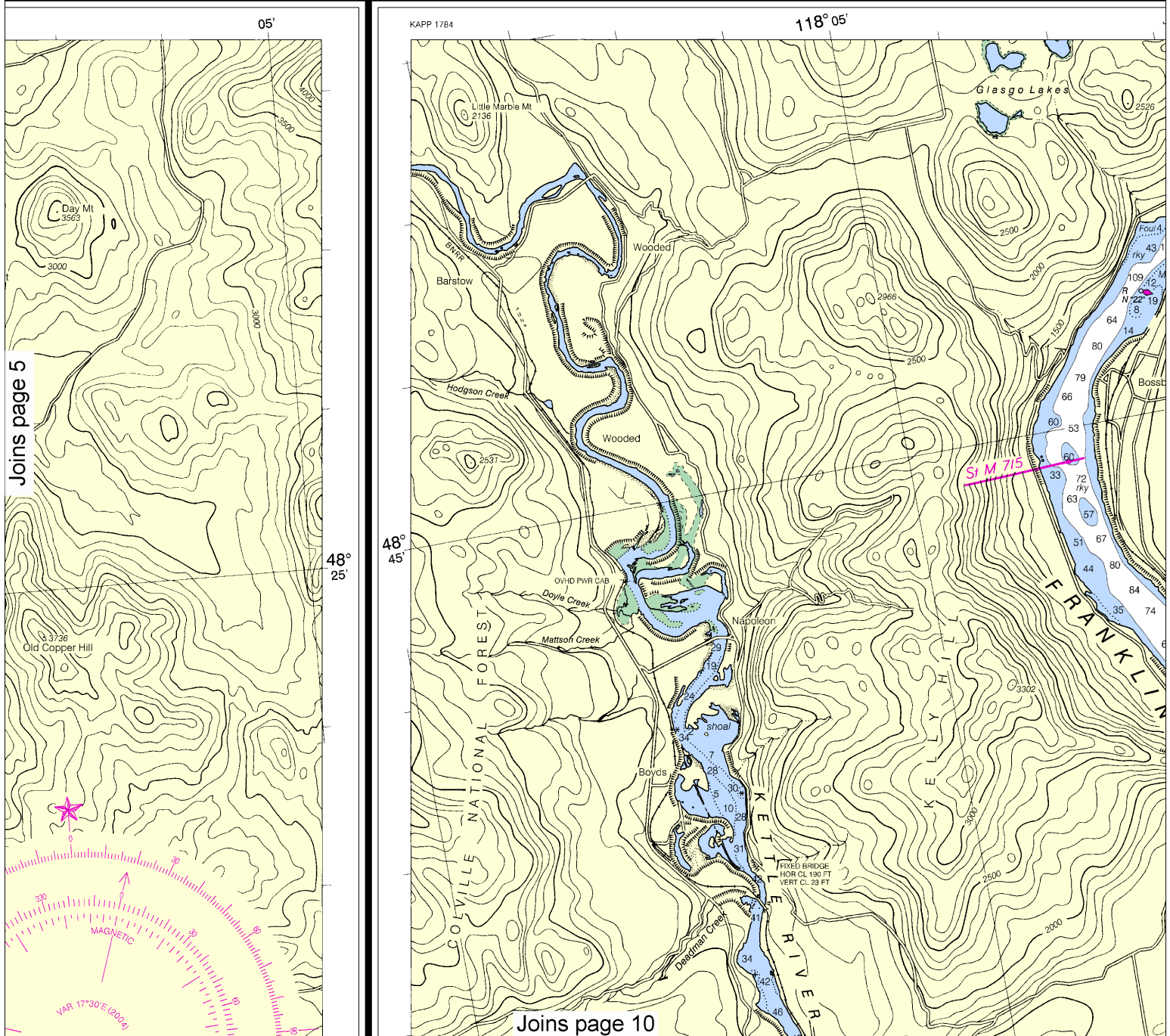
KE LEVEL

ve mean sea level

Mercator Projection
Scale 1:50,000 at Lat. 48°34'
North American Datum of 1983
(World Geodetic System 1984)

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Formerly C&GS 6169, 1st Ed., Apr. 1953 D-1953-827 KAPP 1784



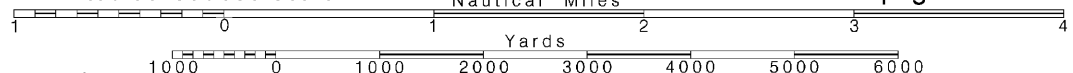
6

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000
Nautical Miles

See Note on page 5.



Mileage distances along the Columbia River are in Statute Miles eastward from the mouth and are indicated thus: —●—

Tables for converting statute miles to International Nautical miles are given in Coast Pilot 7.

POLLUTION REPORTS

CAUTION
SEASONAL AIDS

This topographic map depicts a region with significant elevation changes, indicated by dense contour lines. The terrain is characterized by numerous peaks and valleys. Key features include:

- Water Bodies:** A large body of water, likely Lake Roosevelt, is shown in blue at the bottom of the map. A smaller water feature, China Creek, is located near the center.
- Infrastructure:** An overhead power cable is shown running horizontally across the upper portion of the map, with a note indicating a height of 370 feet. A road, labeled 'rky', winds through the landscape.
- Landmarks:** A prominent tower is situated near the center-right, and a location named 'Evans' is marked nearby. The area is also labeled 'Wooded'.
- Elevation:** Contour lines are labeled with values such as 2500, 2000, 1500, 1000, and 500, indicating the topography's steepness.
- Other Labels:** The name 'ROOSEVELL' is partially visible on the left side, and 'China Creek' is labeled near the center.

117° 40'

49°

CANADA
UNITED STATES

Mitchell Mt

3500
3000
2500
2000
1500

GRADIENT DATUM
Above Deep Creek soundings are based on a gradient datum, varying from normal lake level at Deep Creek to a level 1292.6 feet above mean sea level at the International Boundary.

OVERHEAD CABLES AUTH CL 75 FT

Boundary

TOWER

Tam Bush Creek

St M 740

Scherer Creek

Deadmans Eddy

Steamboat Rock

Deep

Magnetic
VAR 17.3°E (2004)
ANNUAL DECREASE 0.1°

Joins page 11

Joins page 11

This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 4812 11/27/2012,
NGA Weekly Notice to Mariners: 4812 12/1/2012,
Canadian Coast Guard Notice to Mariners: 0912 9/28/2012.

18553

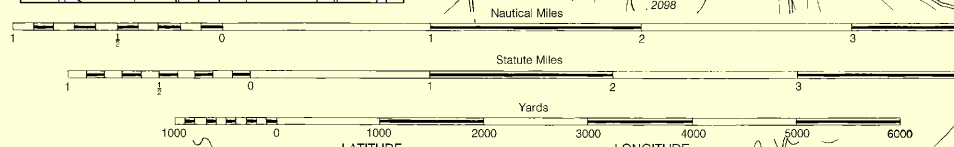
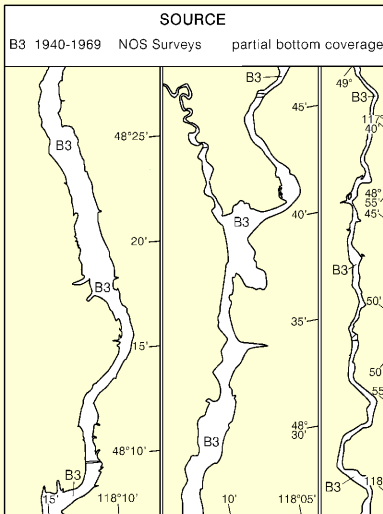
7

Joins page 4

ROOSEVELT LAKE AIDS TO NAVIGATION
Aids to navigation on the lake mark hazards to navigation at normal lake levels. Lake levels less than 1288.6 may expose additional hazards to navigation that are not marked or identified.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

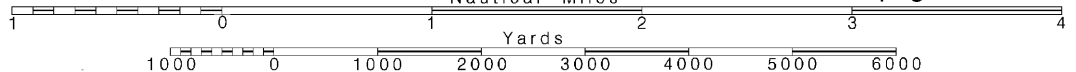


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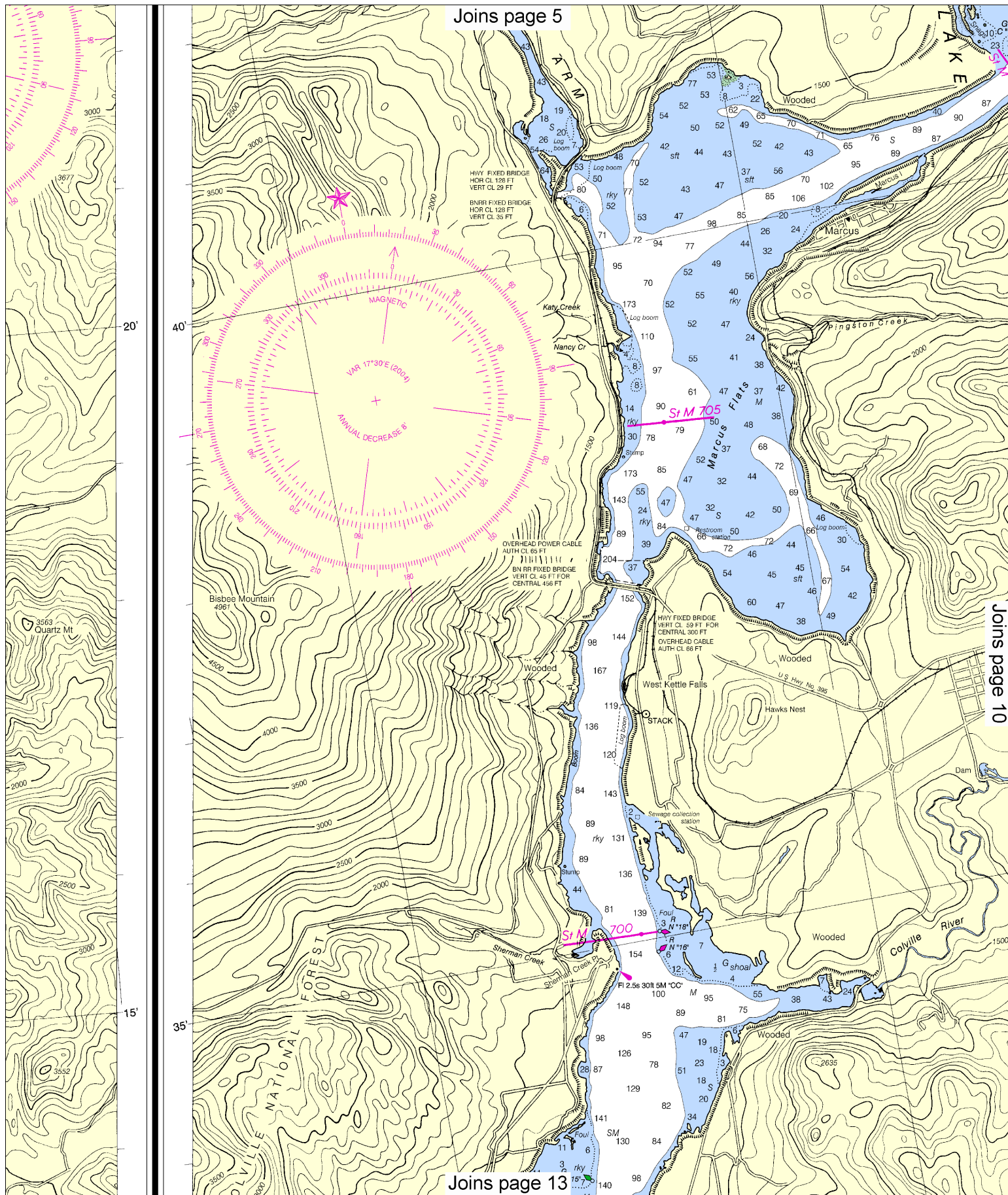
Printed at reduced scale.

SCALE 1:50,000
Nautical Miles

See Note on page 5.

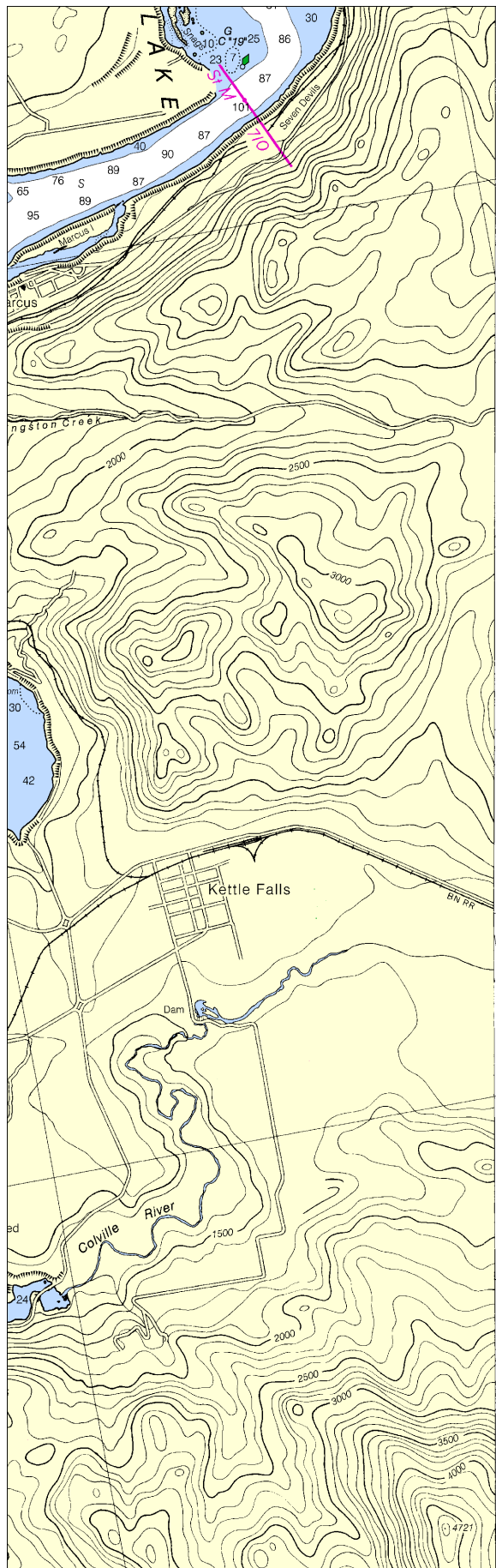


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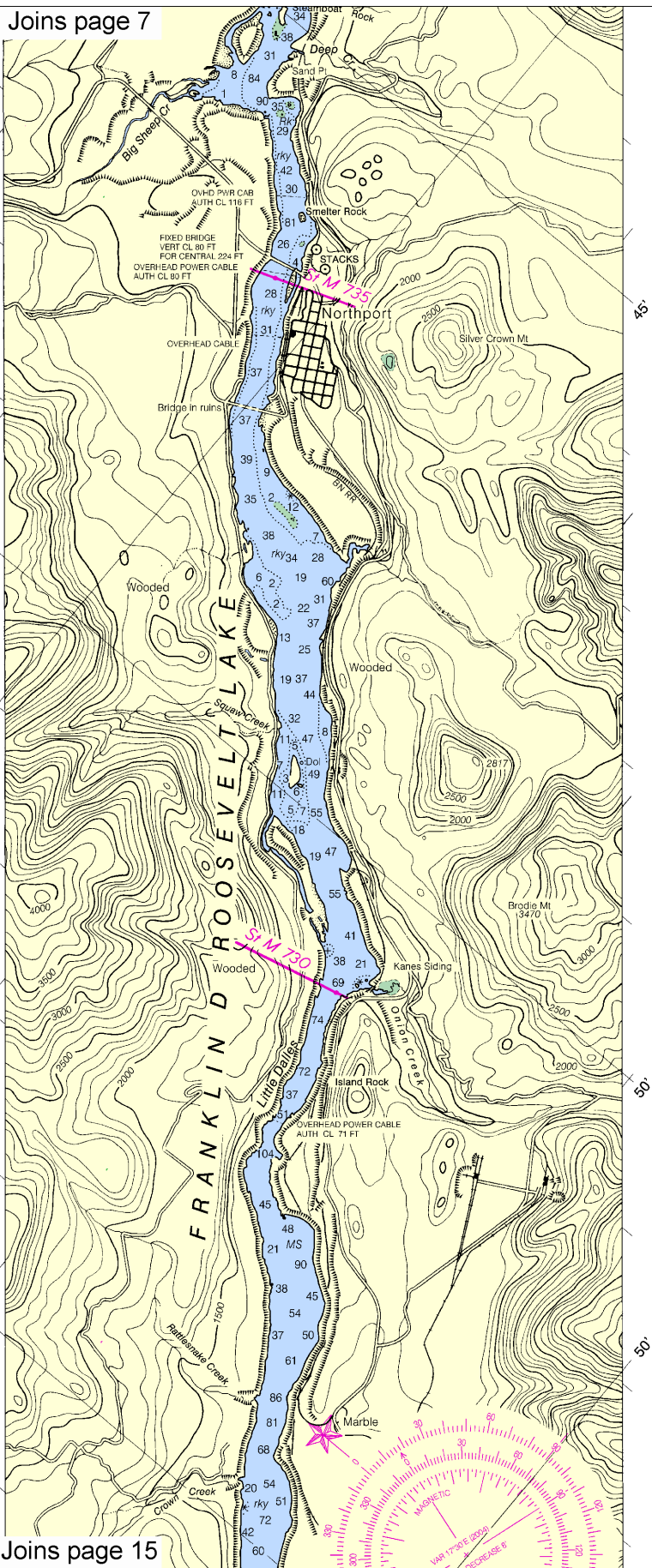


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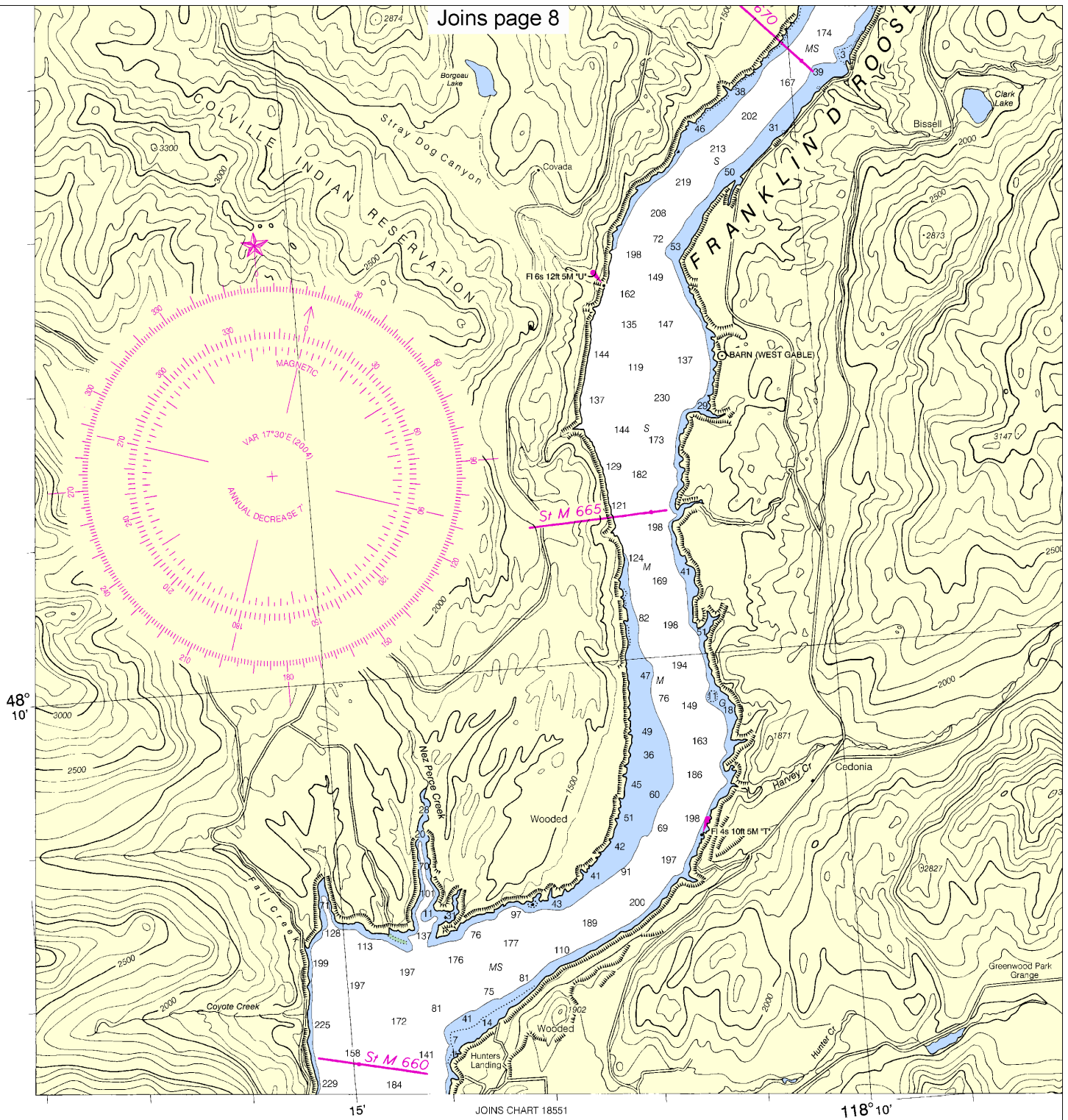
Joins page 10



Joins page 7



Joins page 15



7th Ed., Apr. / 04 ■ Corrected through NM Apr. 17/04
Corrected through LNM Mar. 23/04

18553

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

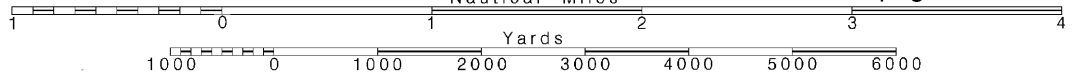
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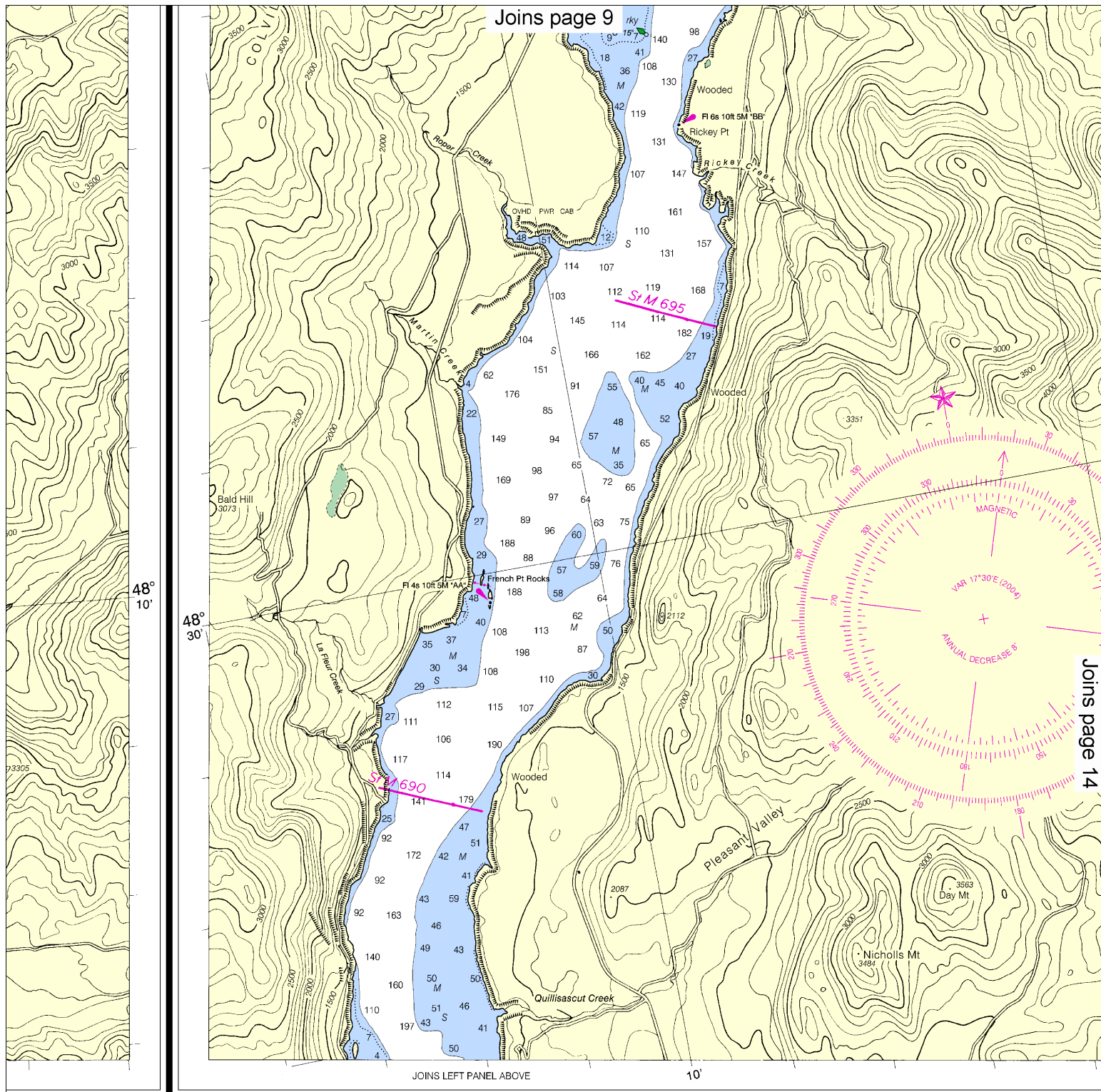
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:50,000
Nautical Miles

See Note on page 5.

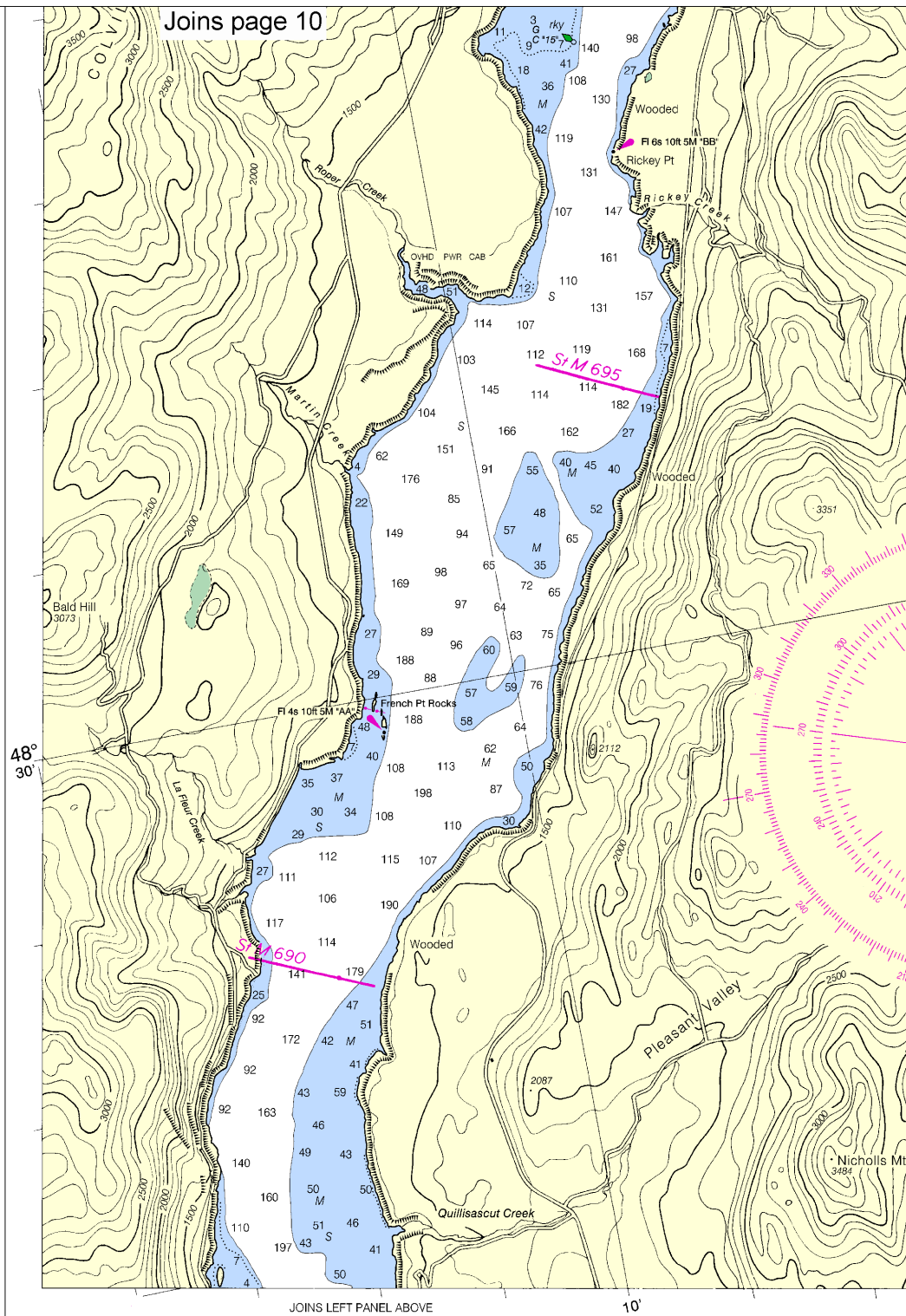
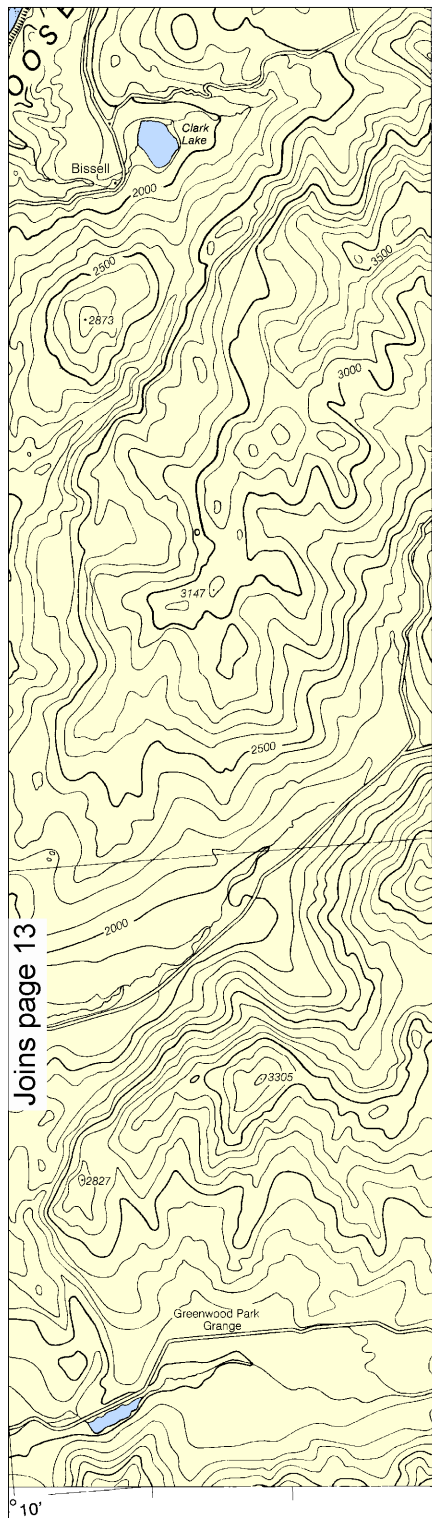




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Published at Washington, D.C.
 U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL OCEAN SERVICE
 COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



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hit corrections, additions, or comments for
e Chart Division (N/CS2), National Ocean
20910-3282.

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S. Coast Guard Light List
or details.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	1	2	3	4	5	6	7
FEET	6	12	18	24	30	36	42
METERS	1	2	3	4	5	6	7

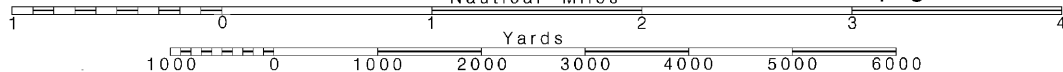
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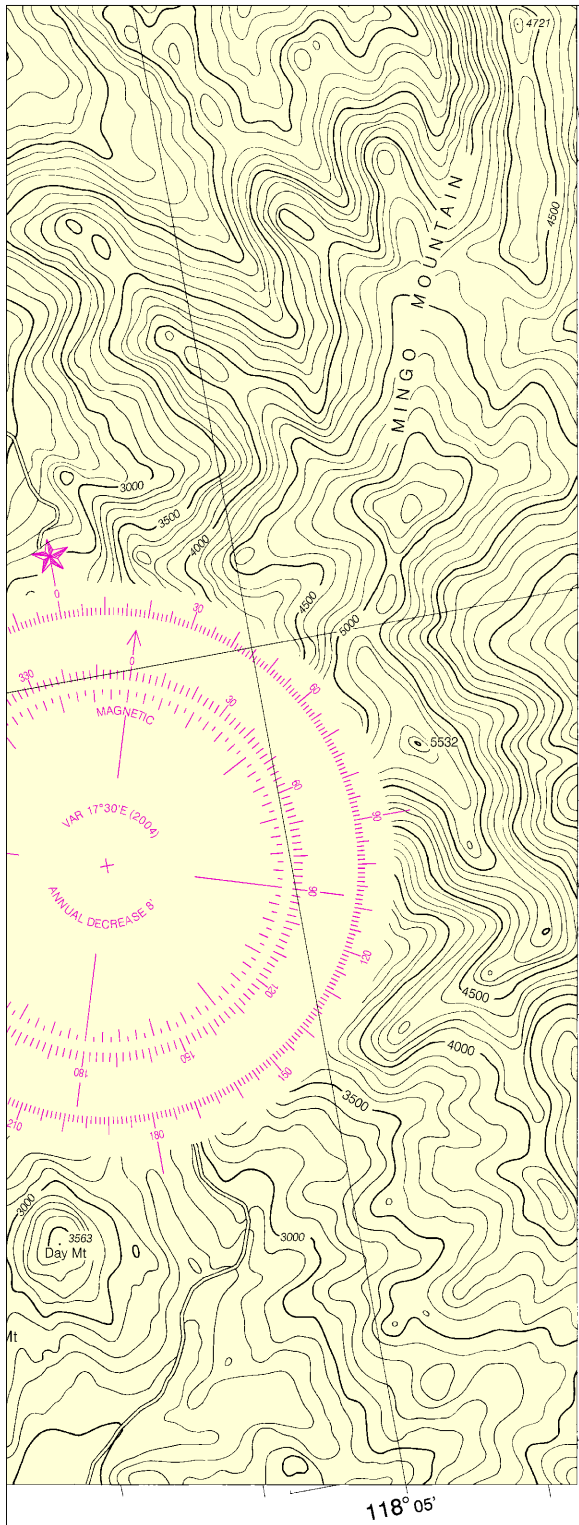
Note: Chart grid
lines are aligned
with true north.

Printed at reduced scale.

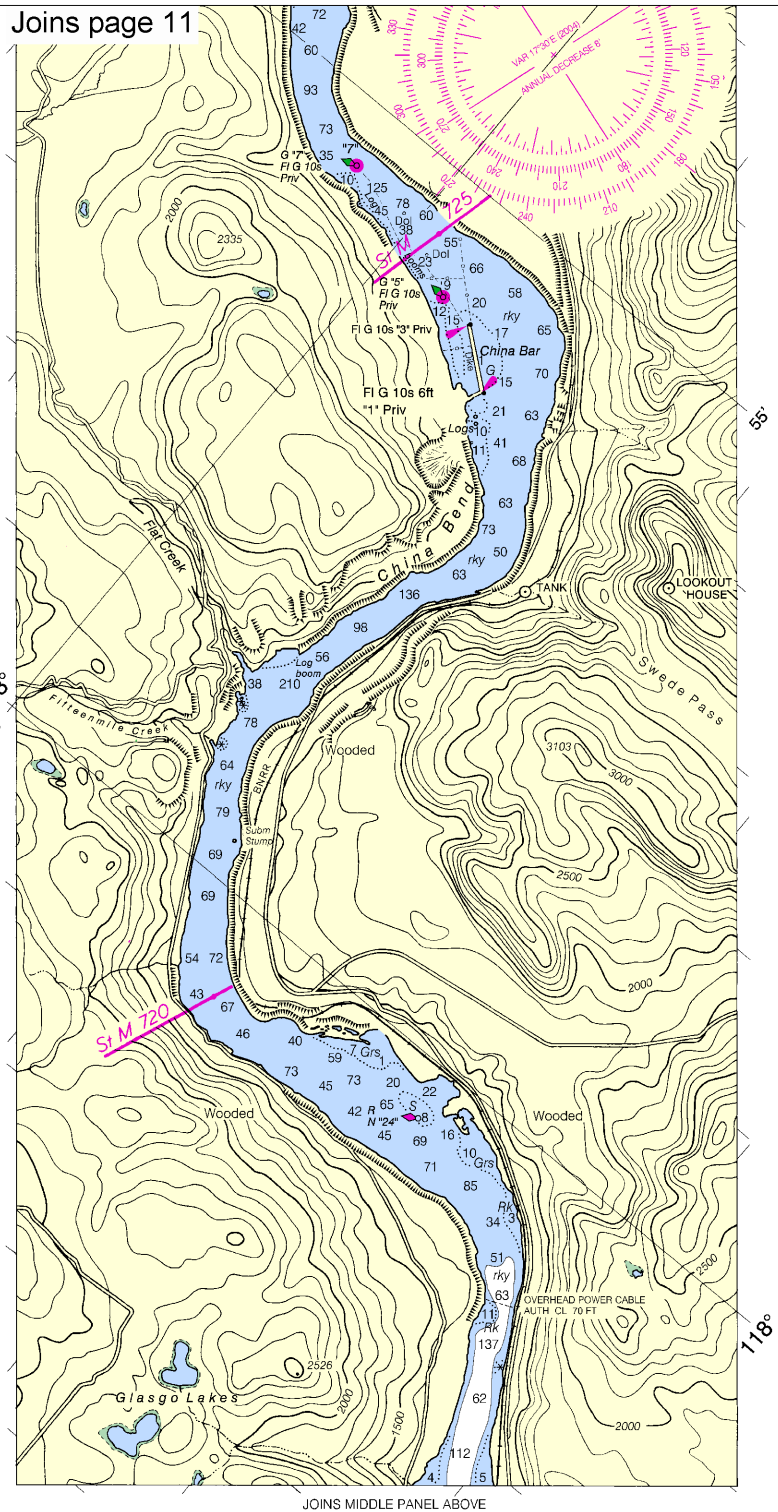
SCALE 1:50,000
Nautical Miles

See Note on page 5.





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Franklin D. Roosevelt Lake, Northern Part
SOUNDINGS IN FEET - SCALE 1:50,000

SOUNDINGS IN FEET

18553



VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

Quick References

Nautical chart related products and information	—	http://www.nauticalcharts.noaa.gov
Online chart viewer	—	http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html
Report a chart discrepancy	—	http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx
Chart and chart related inquiries and comments	—	http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs
Chart updates (LNM and NM corrections)	—	http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html
Coast Pilot online	—	http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm
Tides and Currents	—	http://tidesandcurrents.noaa.gov
Marine Forecasts	—	http://www.nws.noaa.gov/om/marine/home.htm
National Data Buoy Center	—	http://www.ndbc.noaa.gov/
NowCoast web portal for coastal conditions	—	http://www.nowcoast.noaa.gov/
National Weather Service	—	http://www.weather.gov/
National Hurricane Center	—	http://www.nhc.noaa.gov/
Pacific Tsunami Warning Center	—	http://ptwc.weather.gov/
Contact Us	—	http://www.nauticalcharts.noaa.gov/staff/contact.htm



— For the latest news from Coast Survey, follow @nauticalcharts



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

NOAA's Office of Coast Survey



The Nation's Chartmaker